

Figure 1

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
BASED ON NODE IDENTIFICATION
DOCKET NO: 026215-00004
Kurt A. DOBBINS

Network Segments: [Core] [Distribution] [Access]

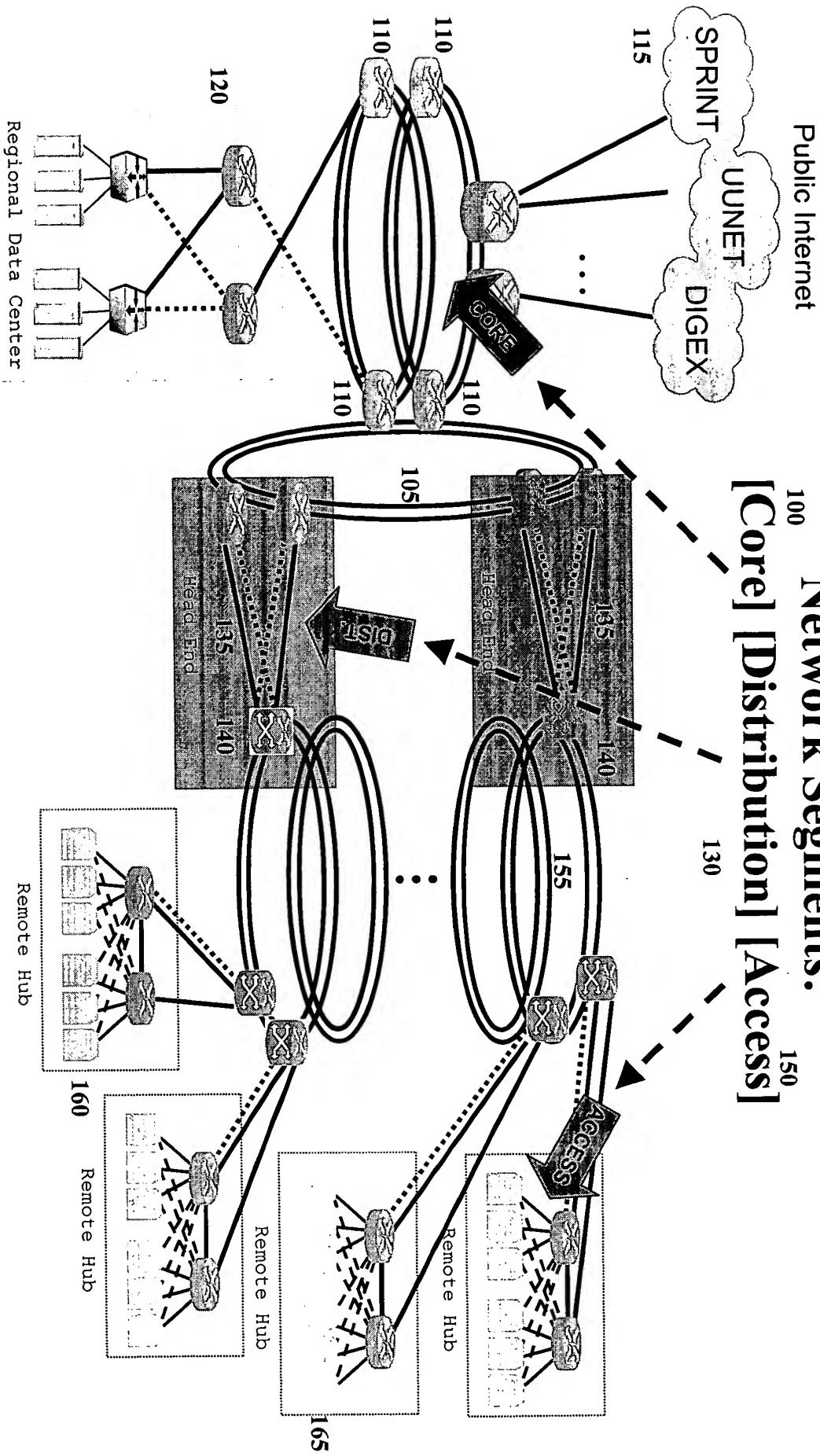


Figure 2

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
BASED ON NODE IDENTIFICATION

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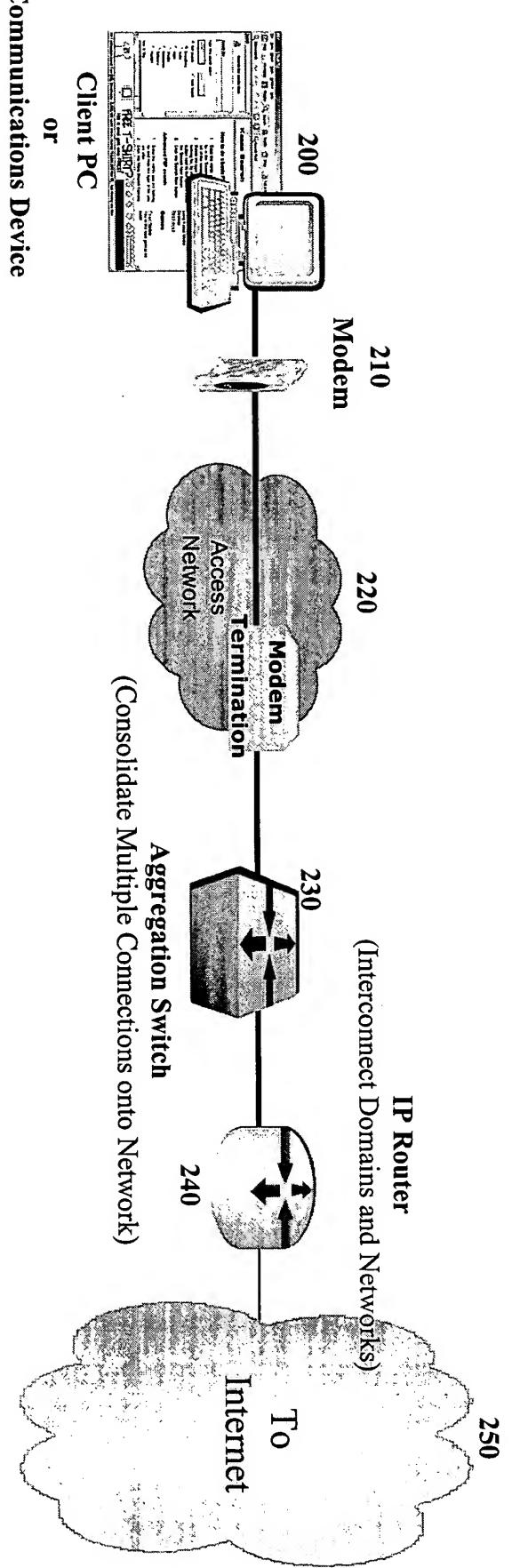


Figure 3

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
BASED ON NODE IDENTIFICATION
DOCKET NO: 026215-0004
Kurt A. DOBBINS

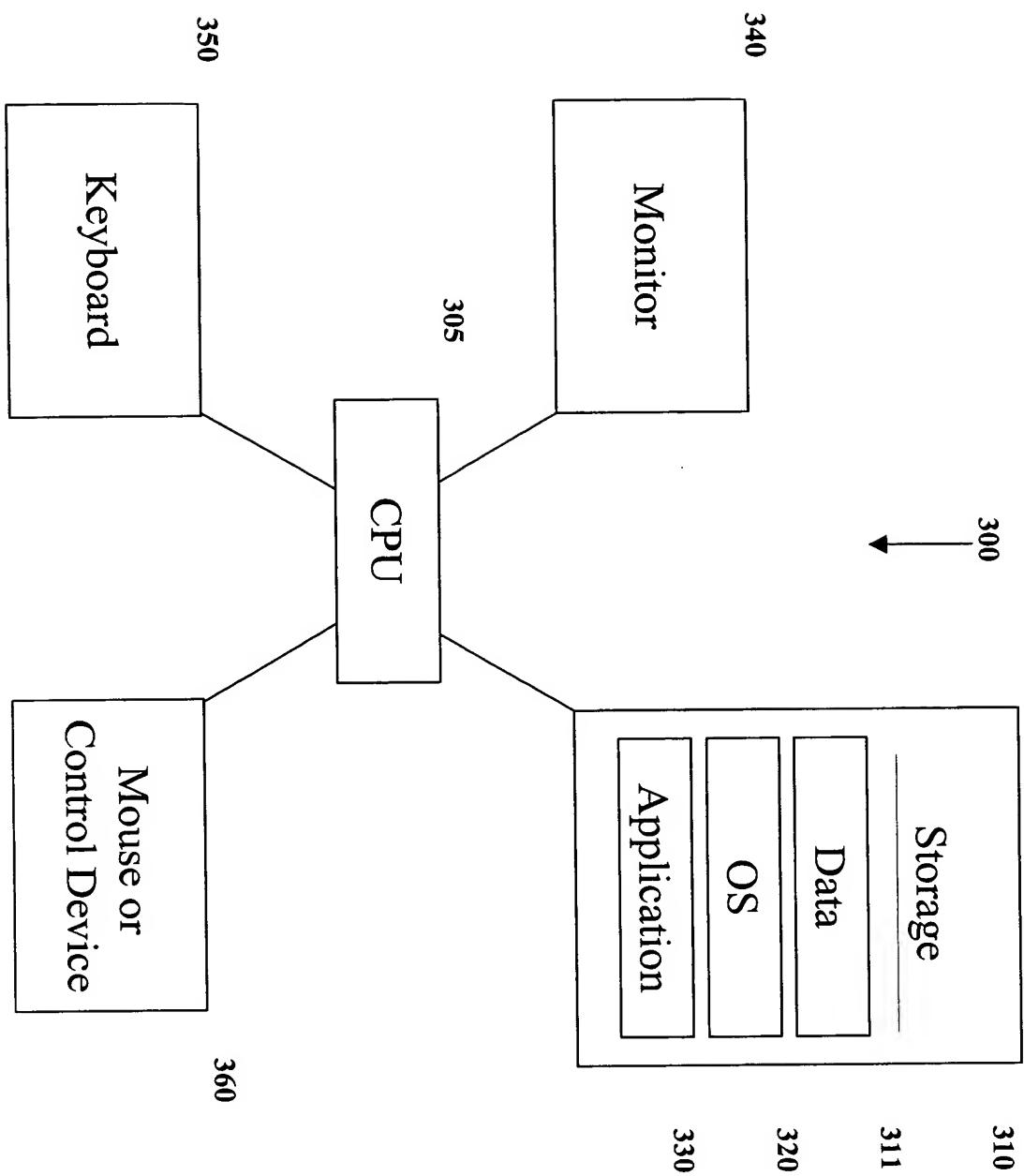


Figure 4

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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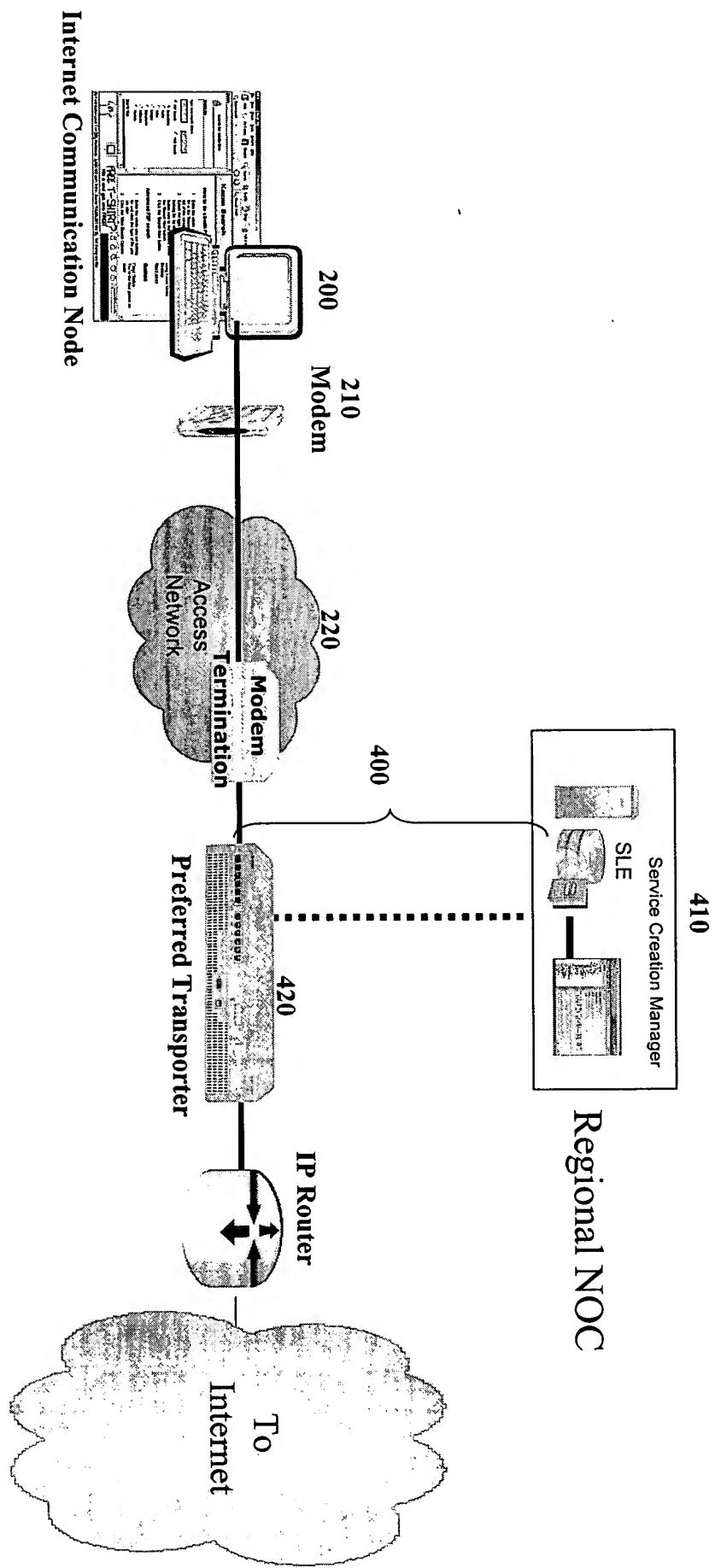


Figure 5

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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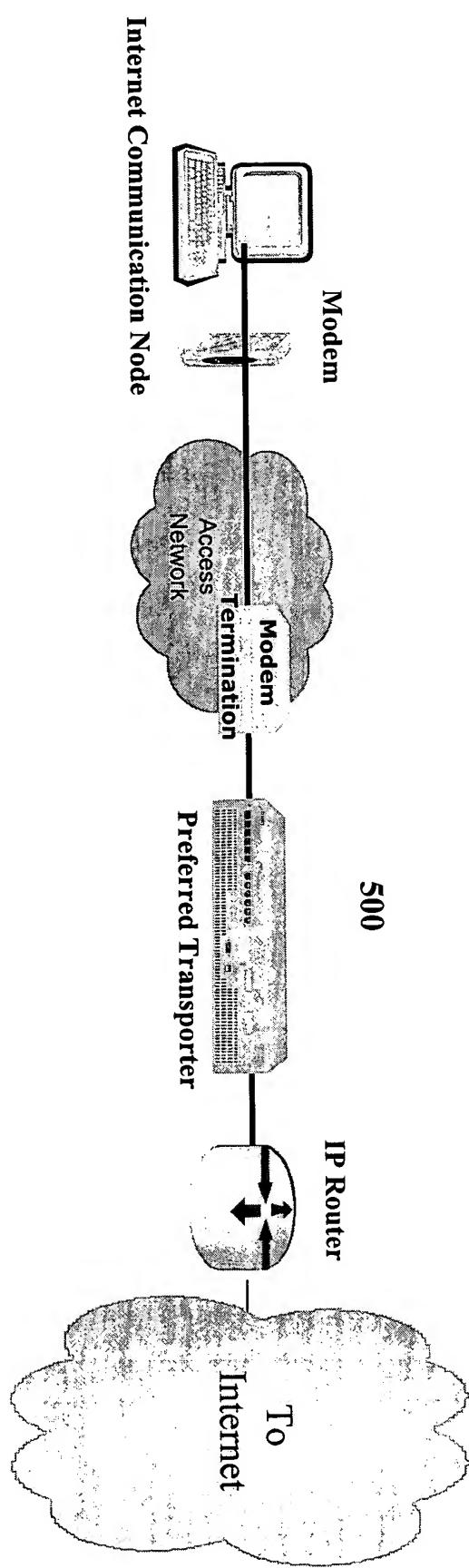
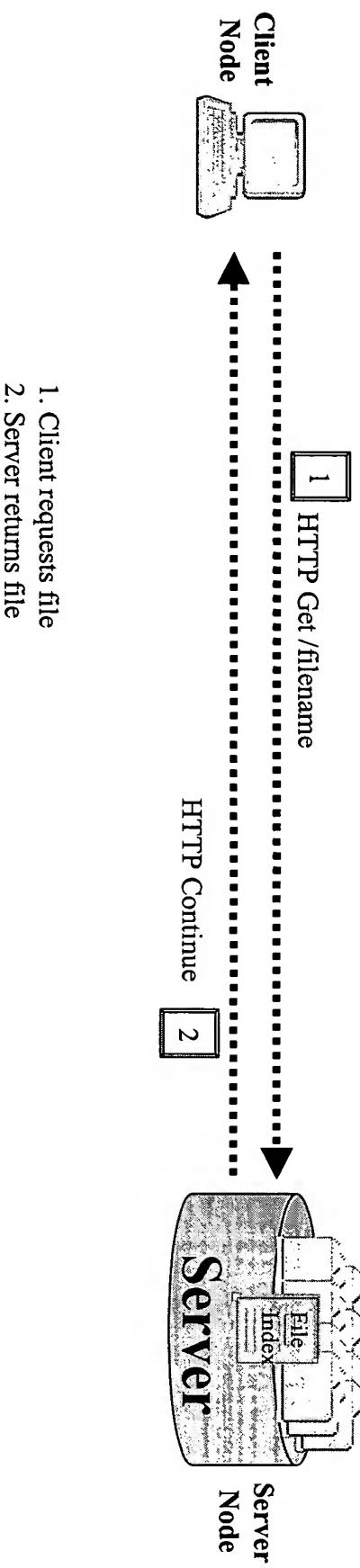


Figure 6

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
BASED ON NODE IDENTIFICATION
DOCKET NO: 020215-00004
Kurt A. DOBBINS

In Client/Server networks, nodes act only as clients



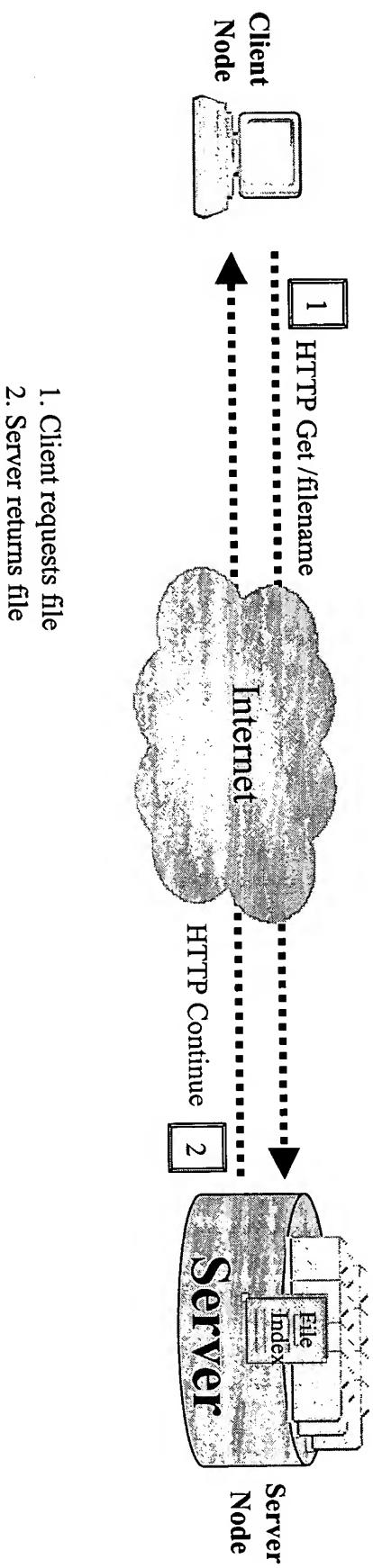
1. Client requests file
2. Server returns file

Figure 7

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
BASED ON NODE IDENTIFICATION
DOCKET NO: 026215-00004

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In Client/Server
networks, nodes
act only as clients



1. Client requests file
2. Server returns file

Figure 8

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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DOCKET NO. 026215-00004
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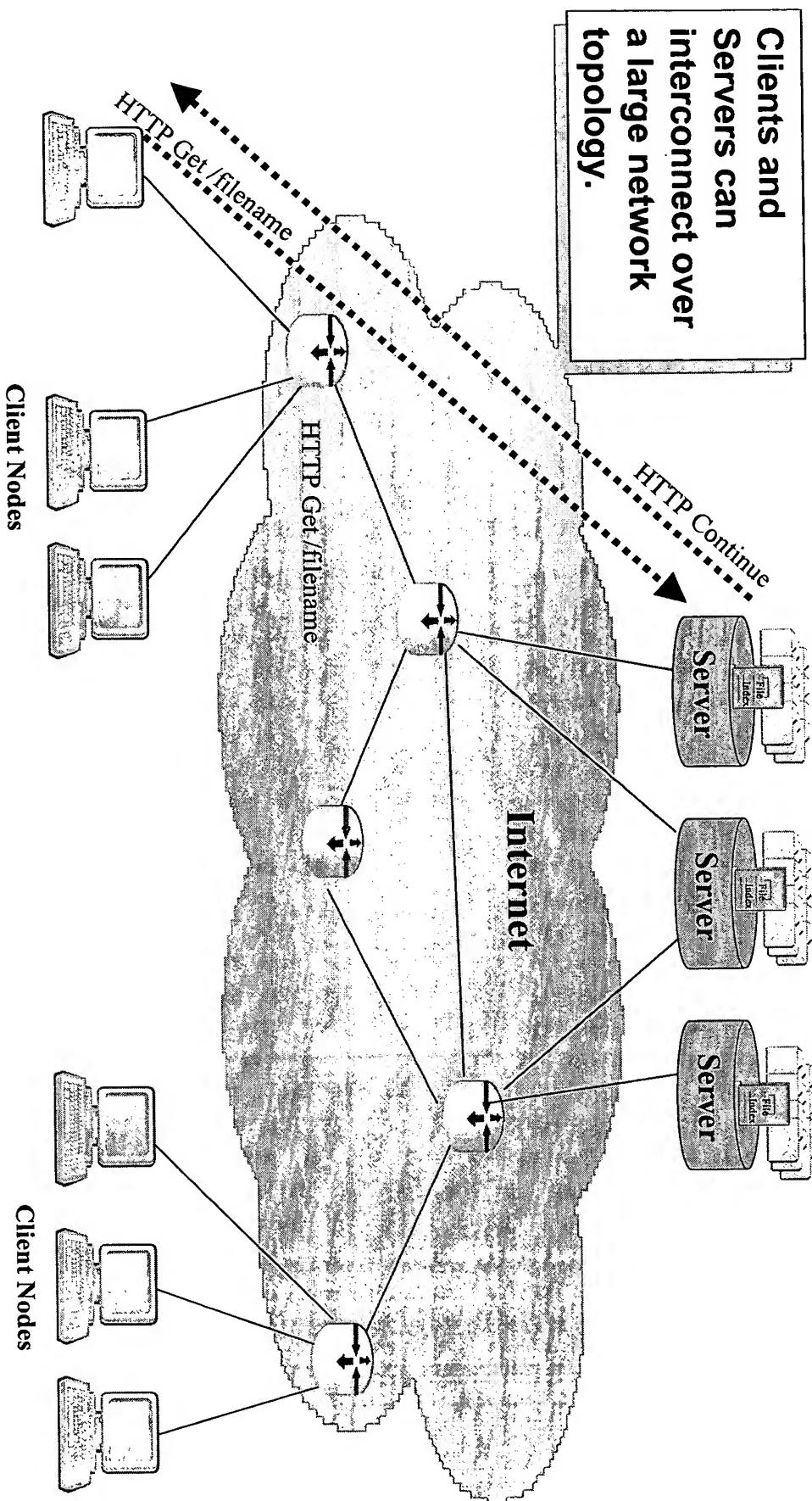


Figure 9

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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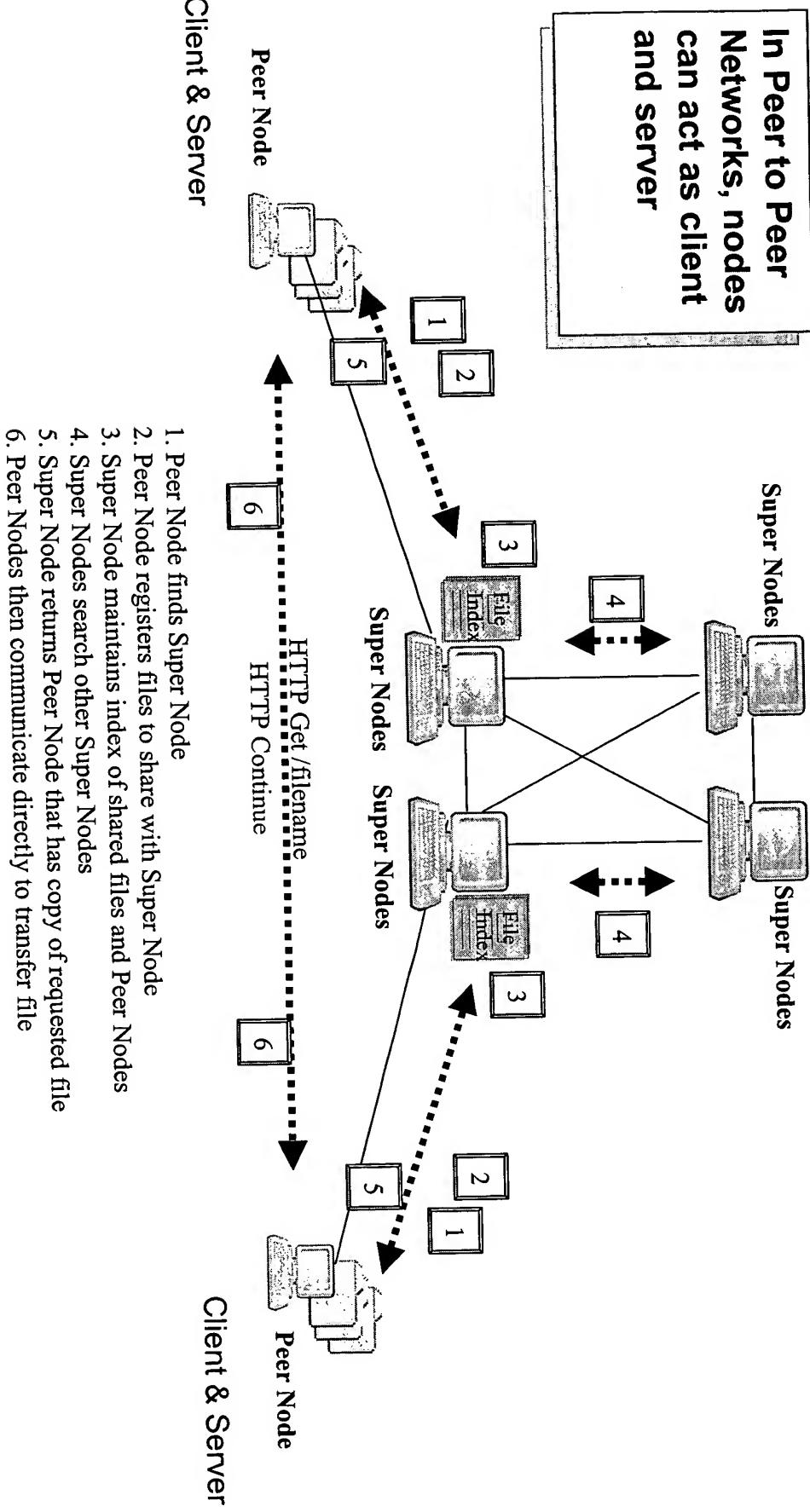


Figure 10

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Super Nodes can interconnect over a large network topology.

Peer Nodes form a global file sharing network.

Internet

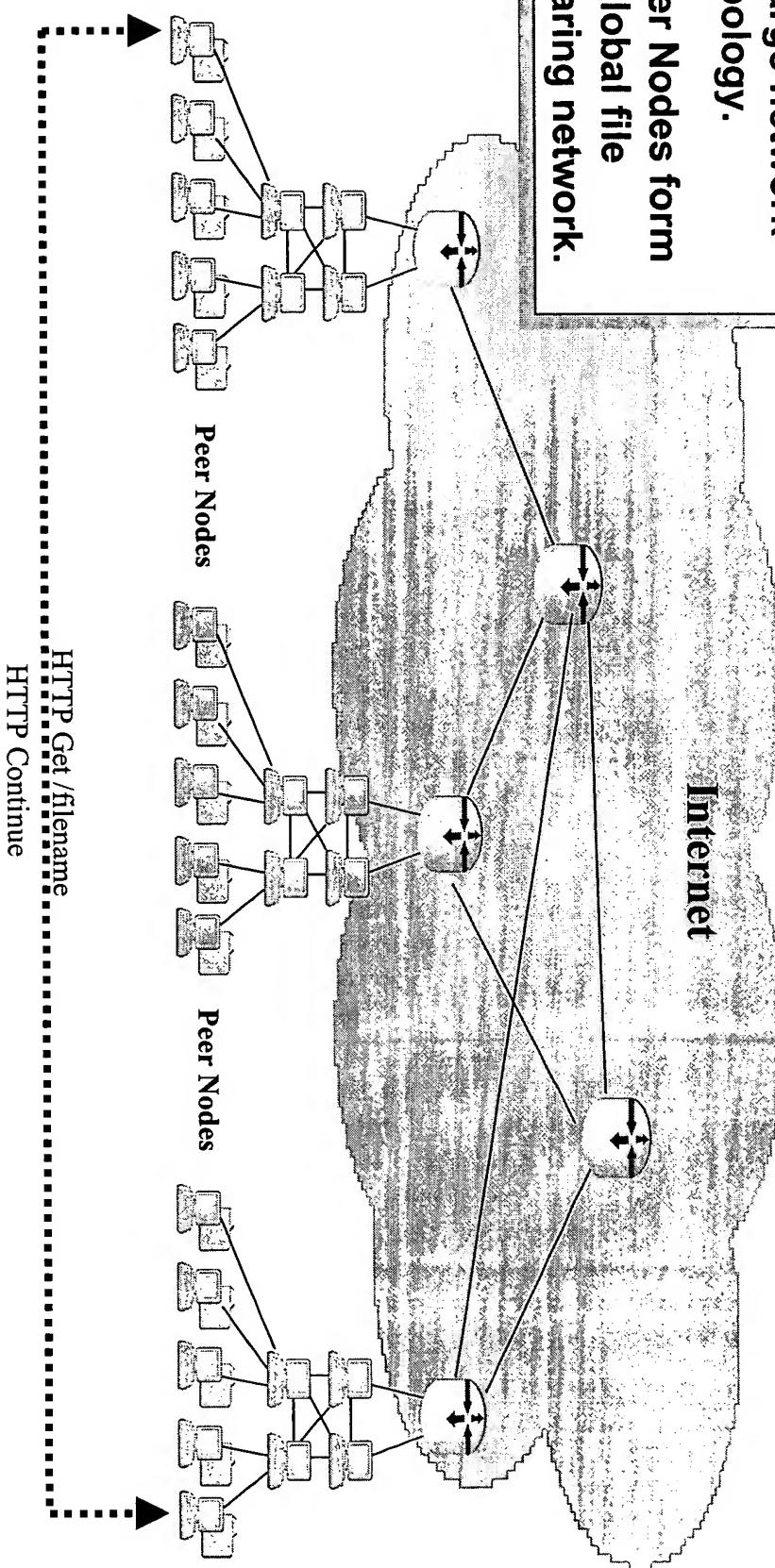


Figure 11

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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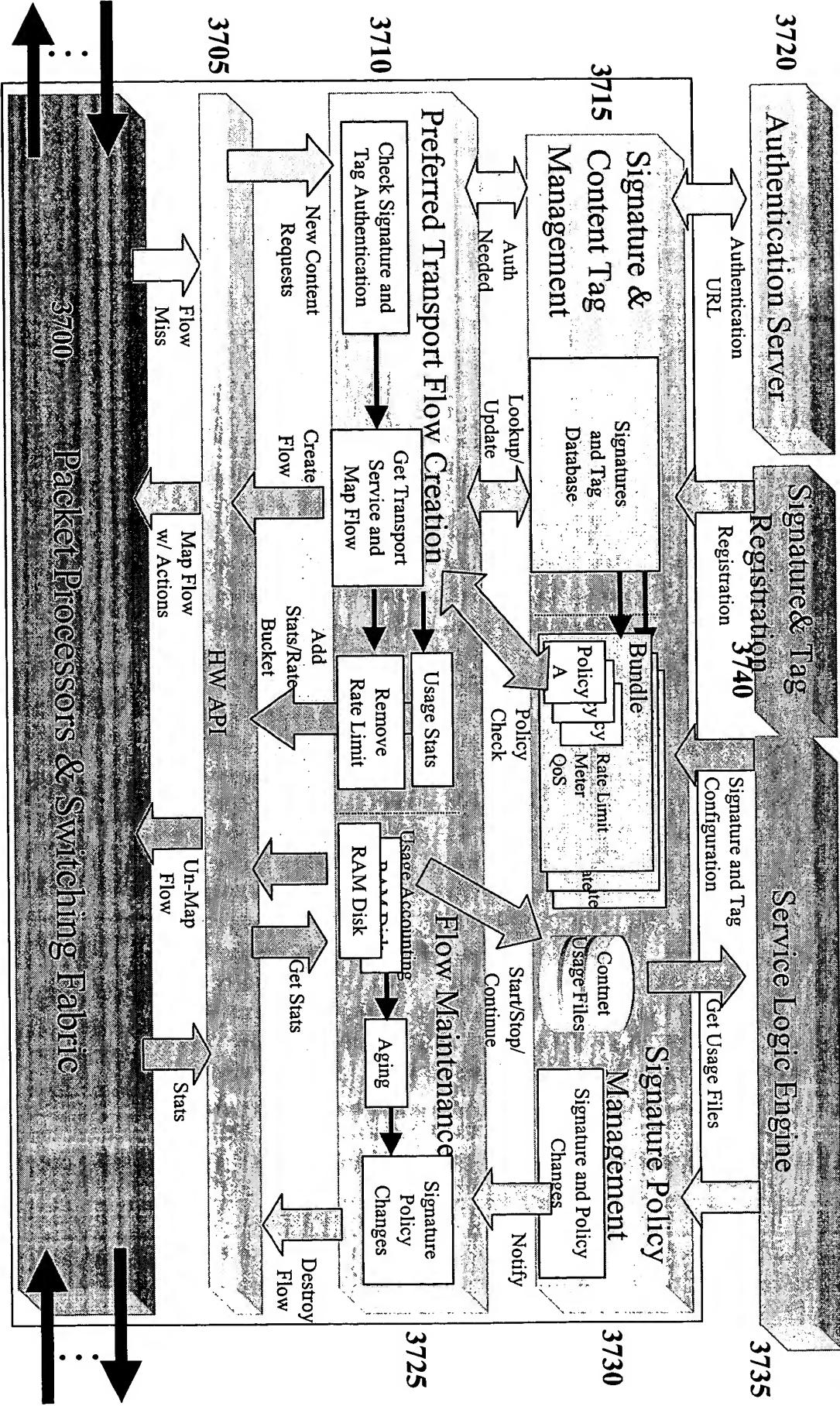


Figure 12

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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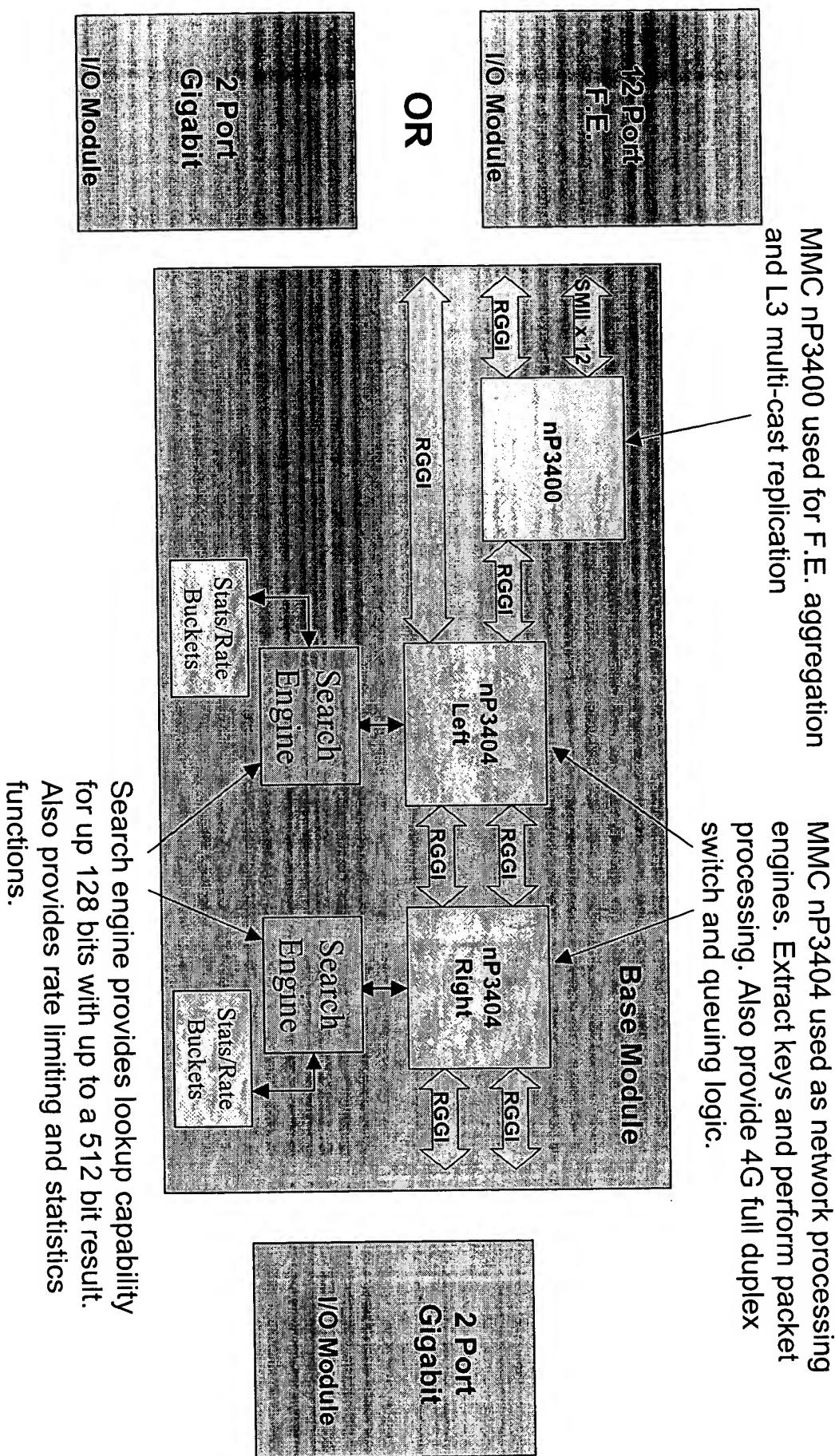


Figure 13

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
BASED ON NODE IDENTIFICATION
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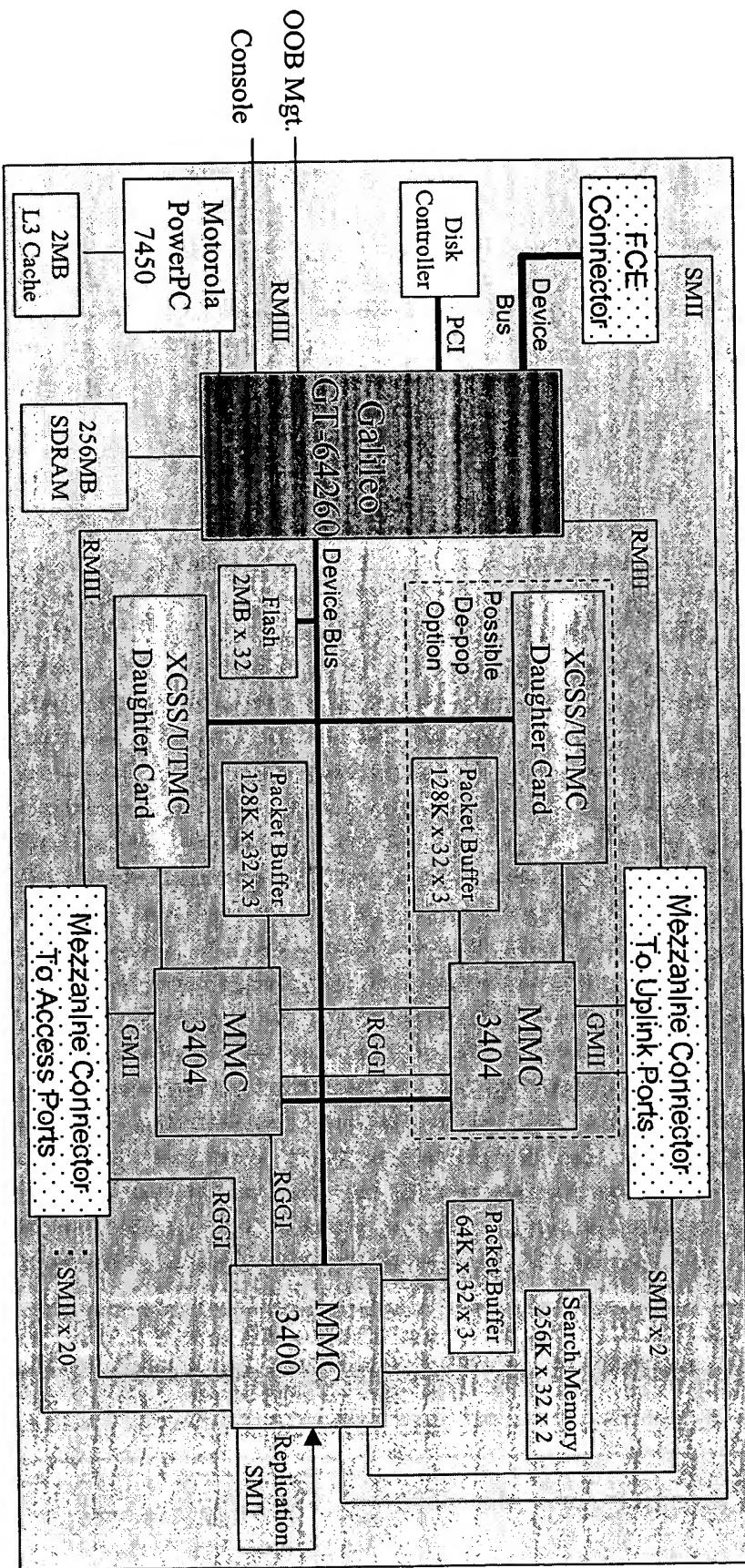


Figure 14

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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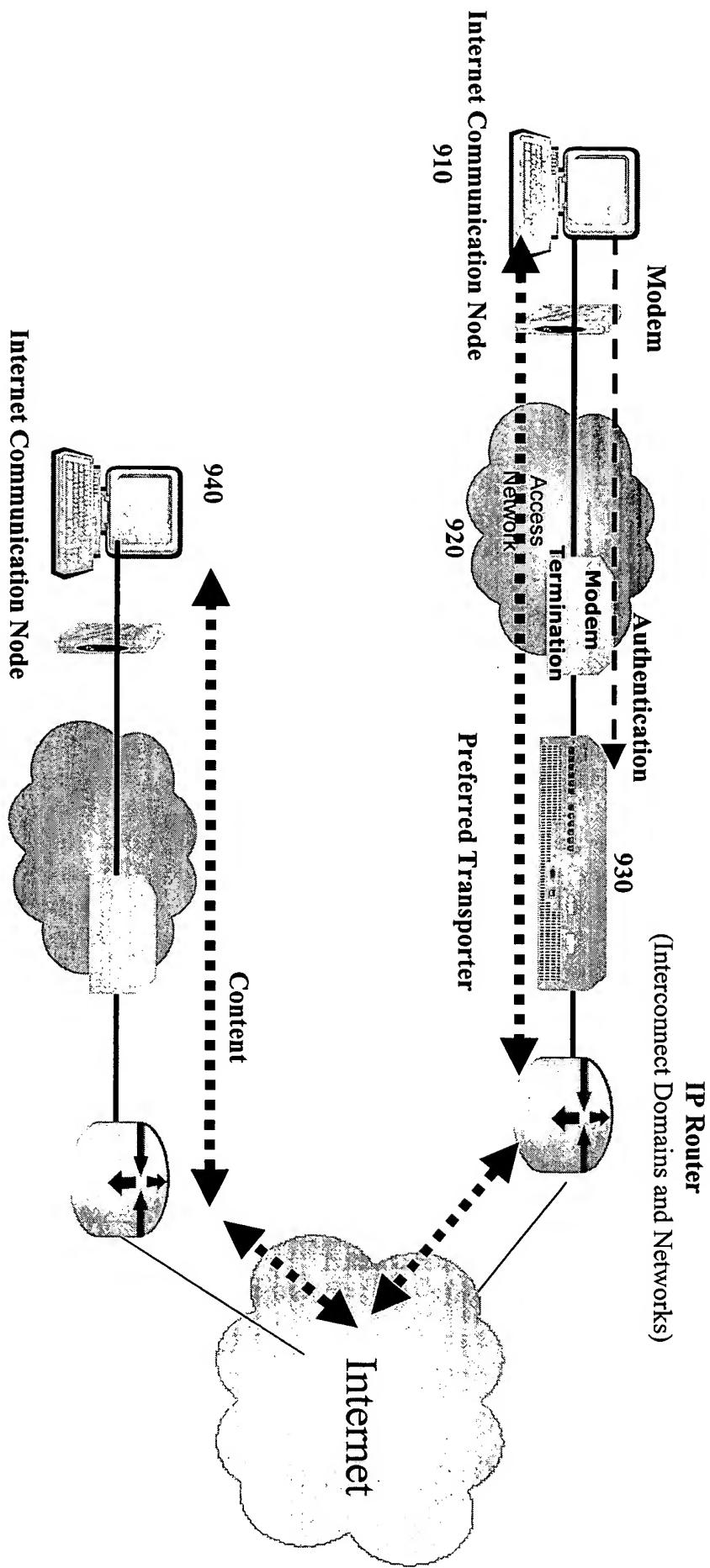


Figure 15

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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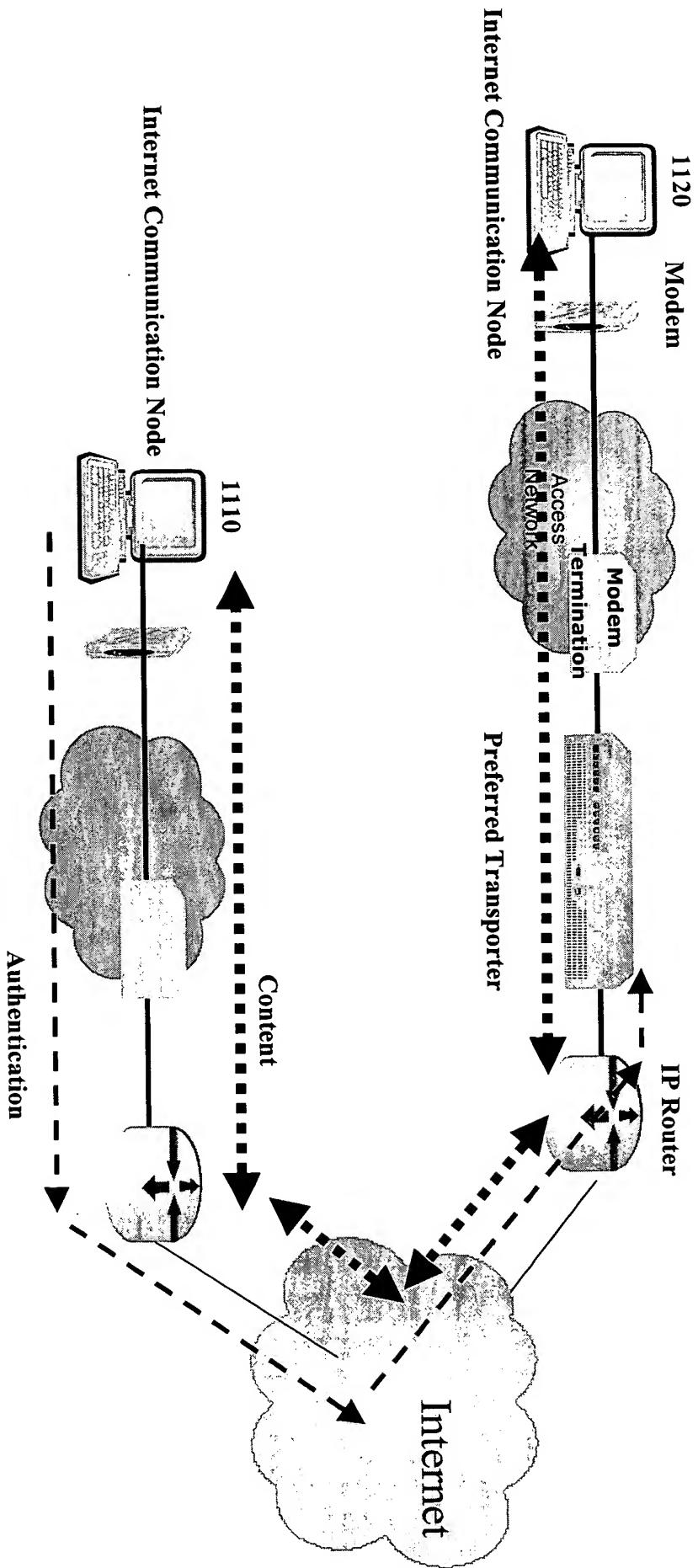


Figure 16

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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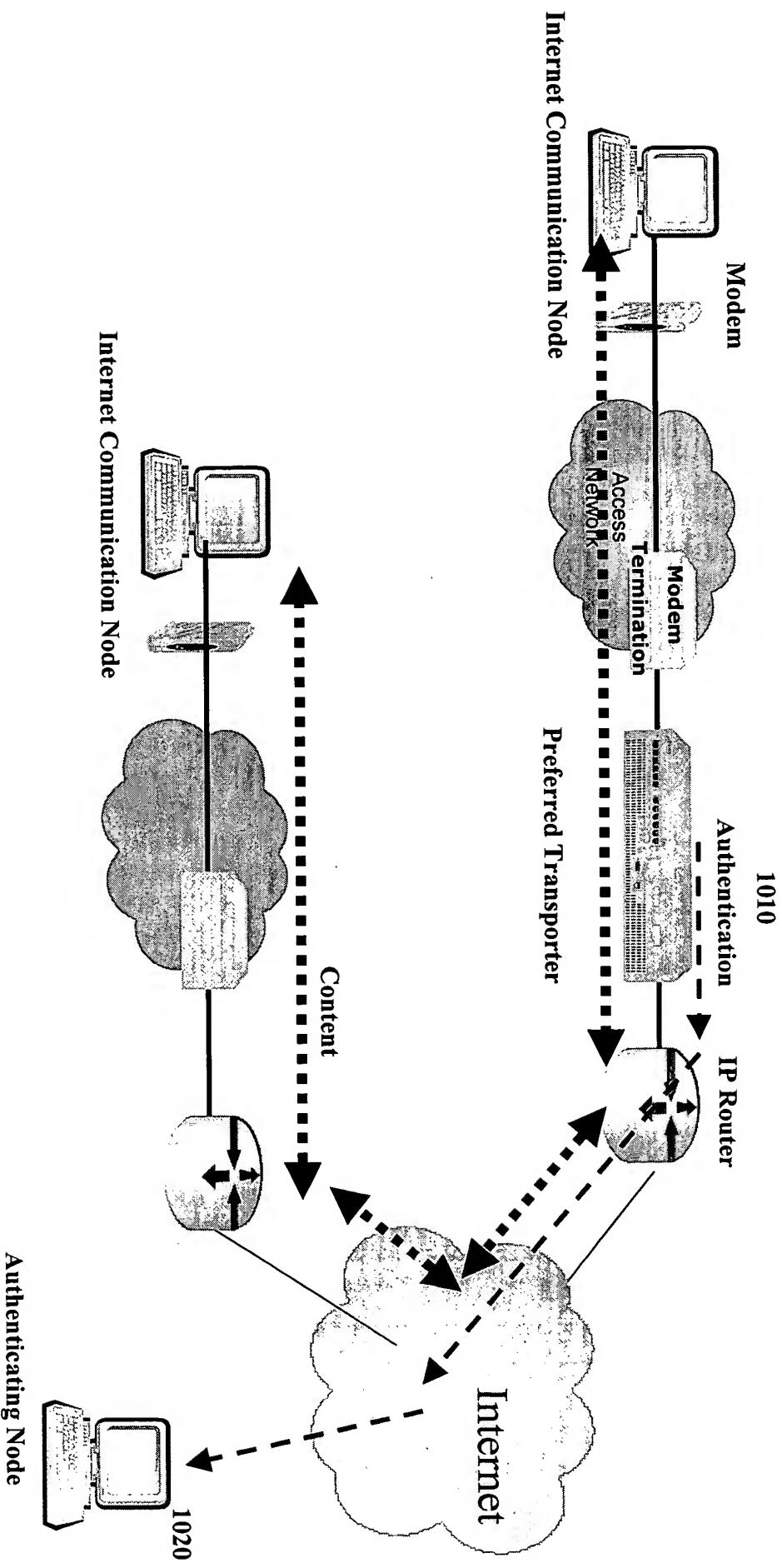


Figure 17

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Figure 18

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Field	Length (bytes)	Description	Comments
Tag ID	4	Well-known tag identifier. Allows different tag types to be supported	Value set to "AUTH"
Tag Length	4	Indicates the remaining length of the tag.	Maximum Length of 128 bytes
Tag Version	4	Version of Tag Structure	Value set to "1.0"
Reserved	4	Reserved for Future Use	Unused
Transport Service	4	Preferred Transport Bit Mask for Transport Service Preference.	1 = No Rate Limit 2 = No Byte Cap 4 = On-Demand BW 8 = BLOCK ACCESS
Authenticated Transport	4	Digital Signature used to authenticate preferred transport	
Reserved	8	Reserved for Future Use	Unused
Content Class/Type	16	OID syntax from Content Class naming tree.	Encoded using ASN.1 BER {tag/len/value}
Content Application	16	OID syntax from Application naming tree.	Encoded using ASN.1 BER {tag/len/value}
Content Originator	16	OID syntax from Content Originator naming tree.	Encoded using ASN.1 BER {tag/len/value}
Content Meta Data	16	OID syntax from Content Meta Data naming tree.	Encoded using ASN.1 BER {tag/len/value}
Authentication URL	32	URL of authentication server	

Figure 19

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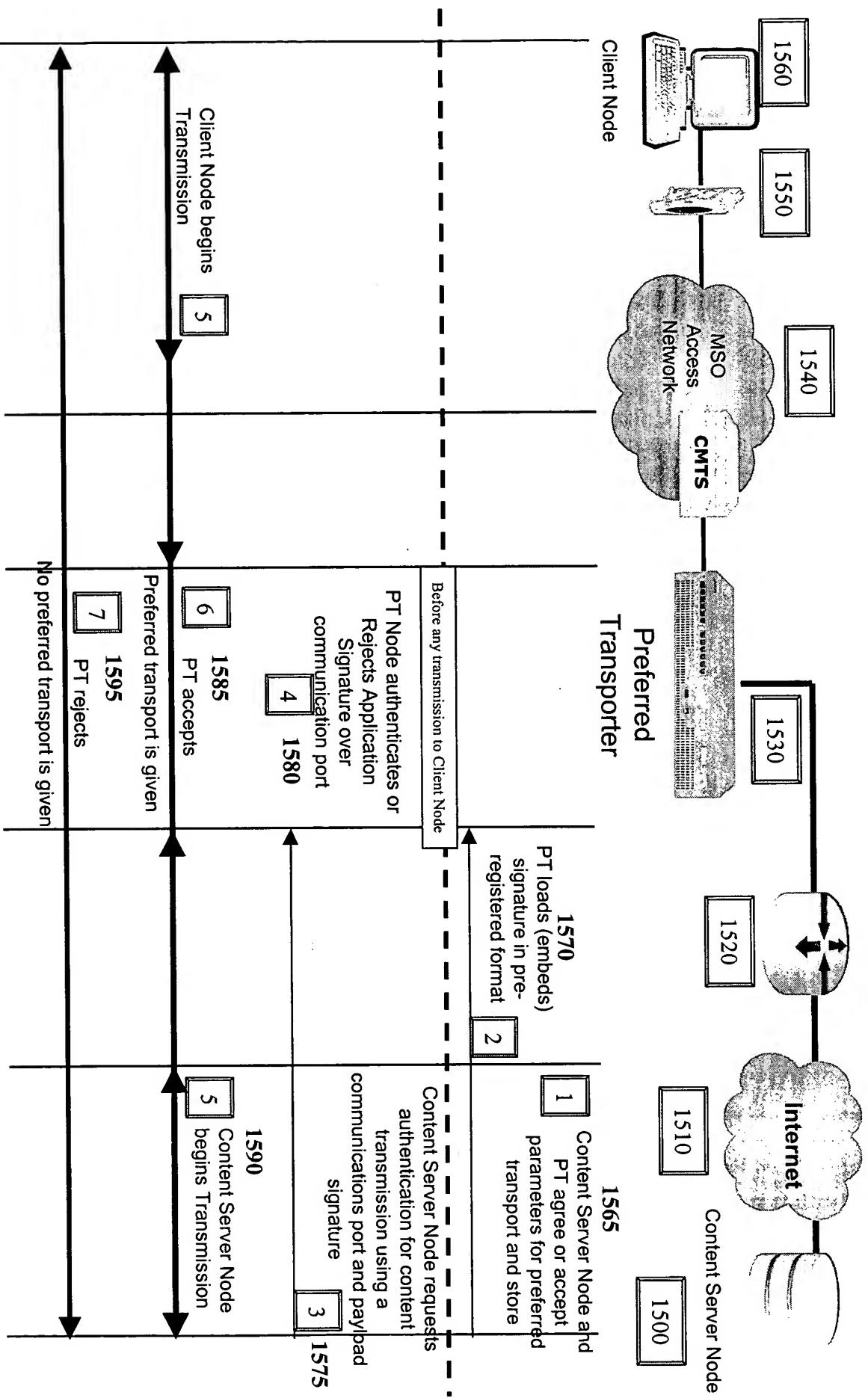


Figure 19a

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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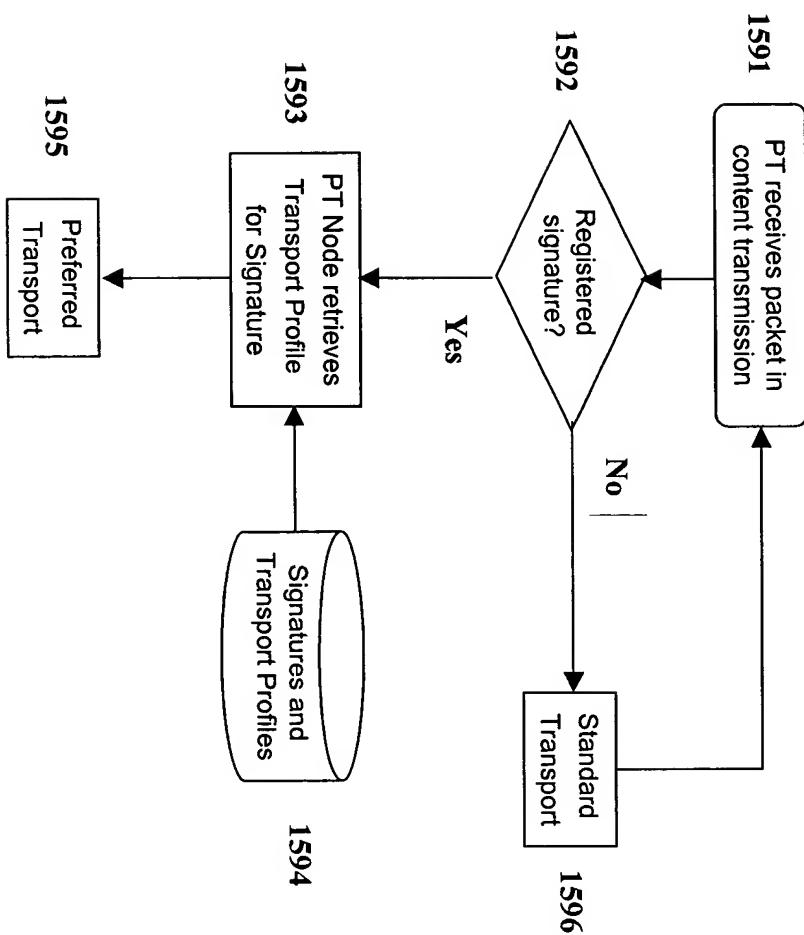


Figure 20

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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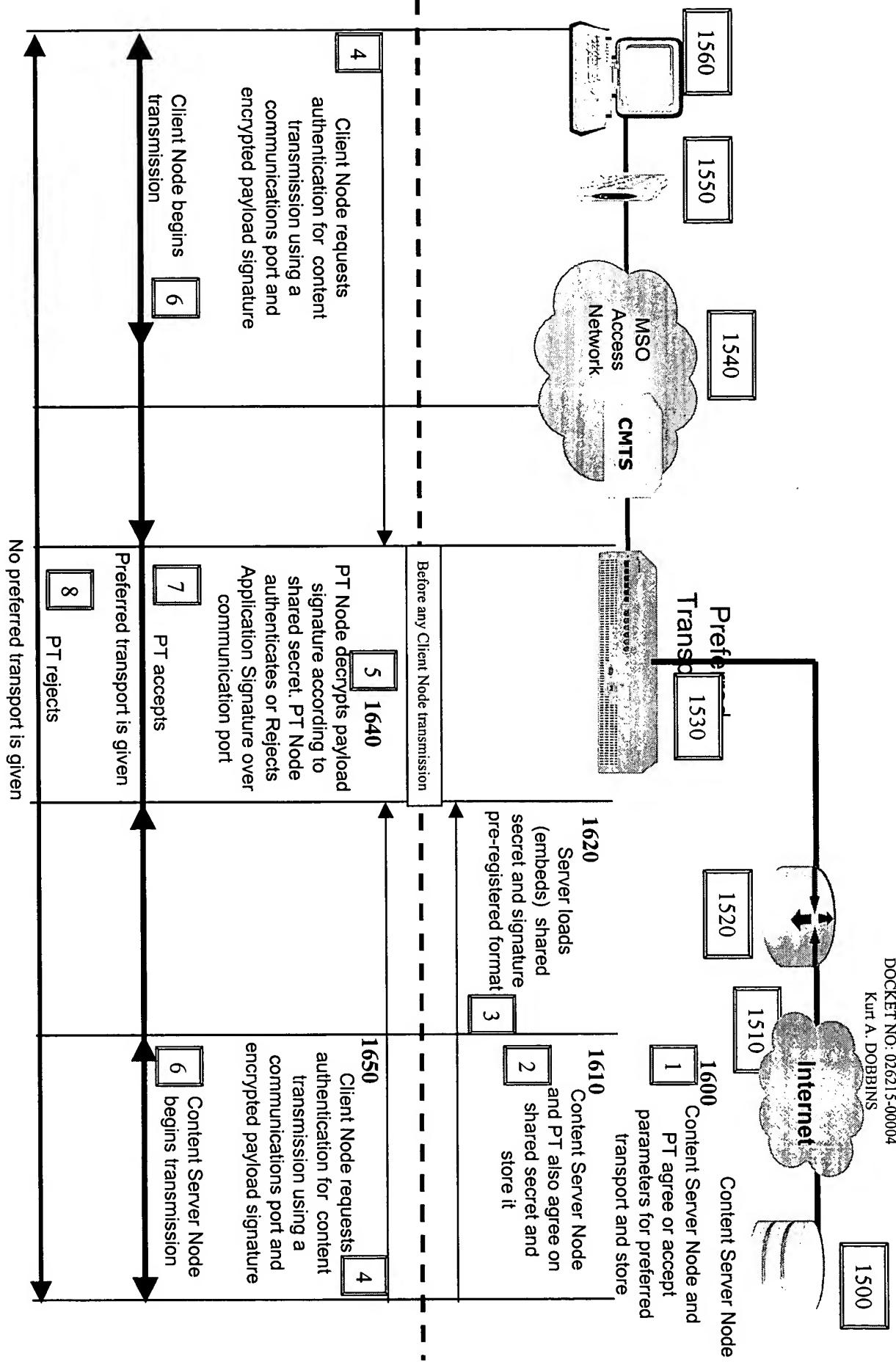


Figure 20a

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
BASED ON NODE IDENTIFICATION
DOCKET NO: 02215-0004
Kurt A. DOBBINS

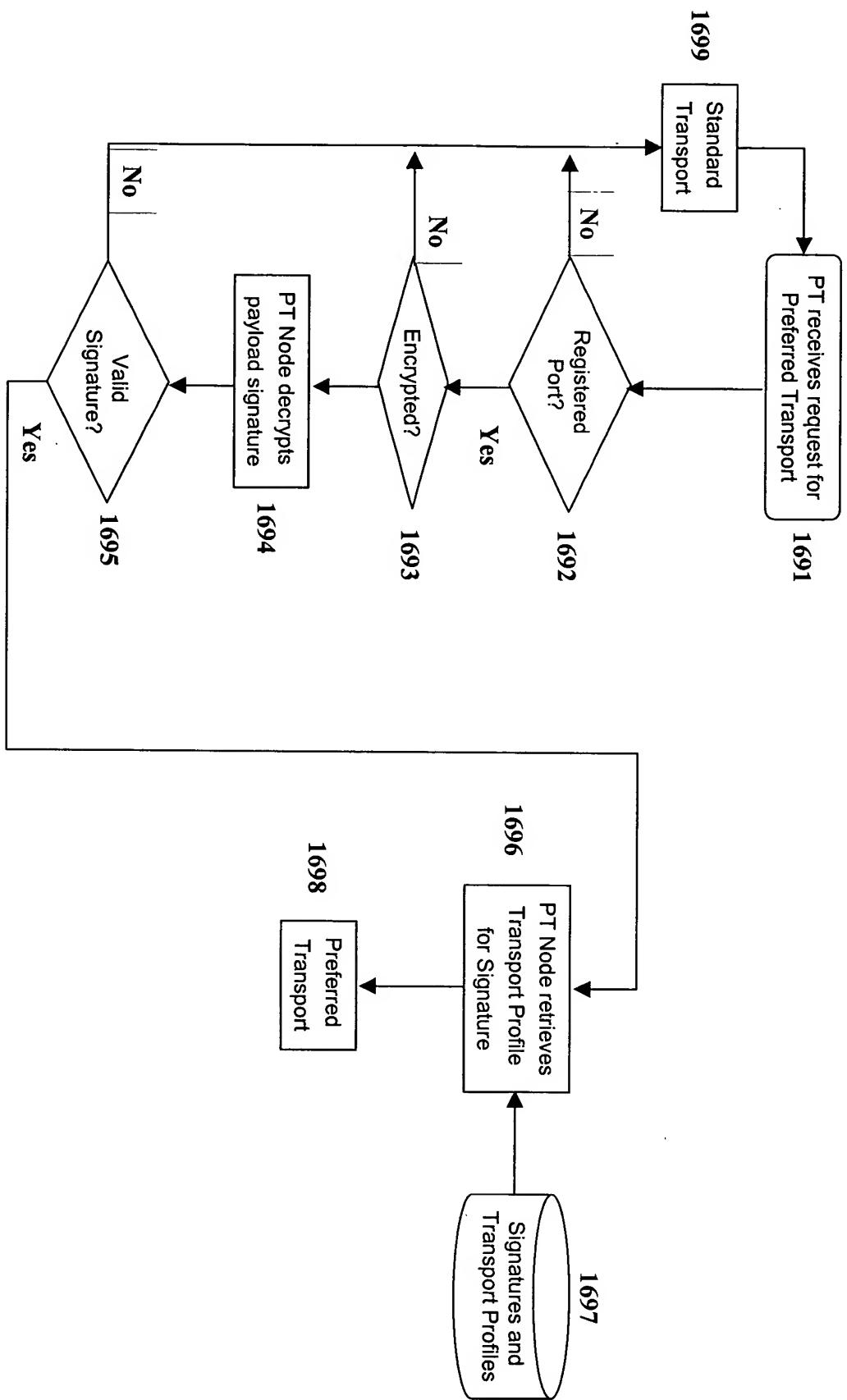


Fig 21

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT

DOCKET NO: 026215-00004
BASED ON NOBE IDENTIFICATION

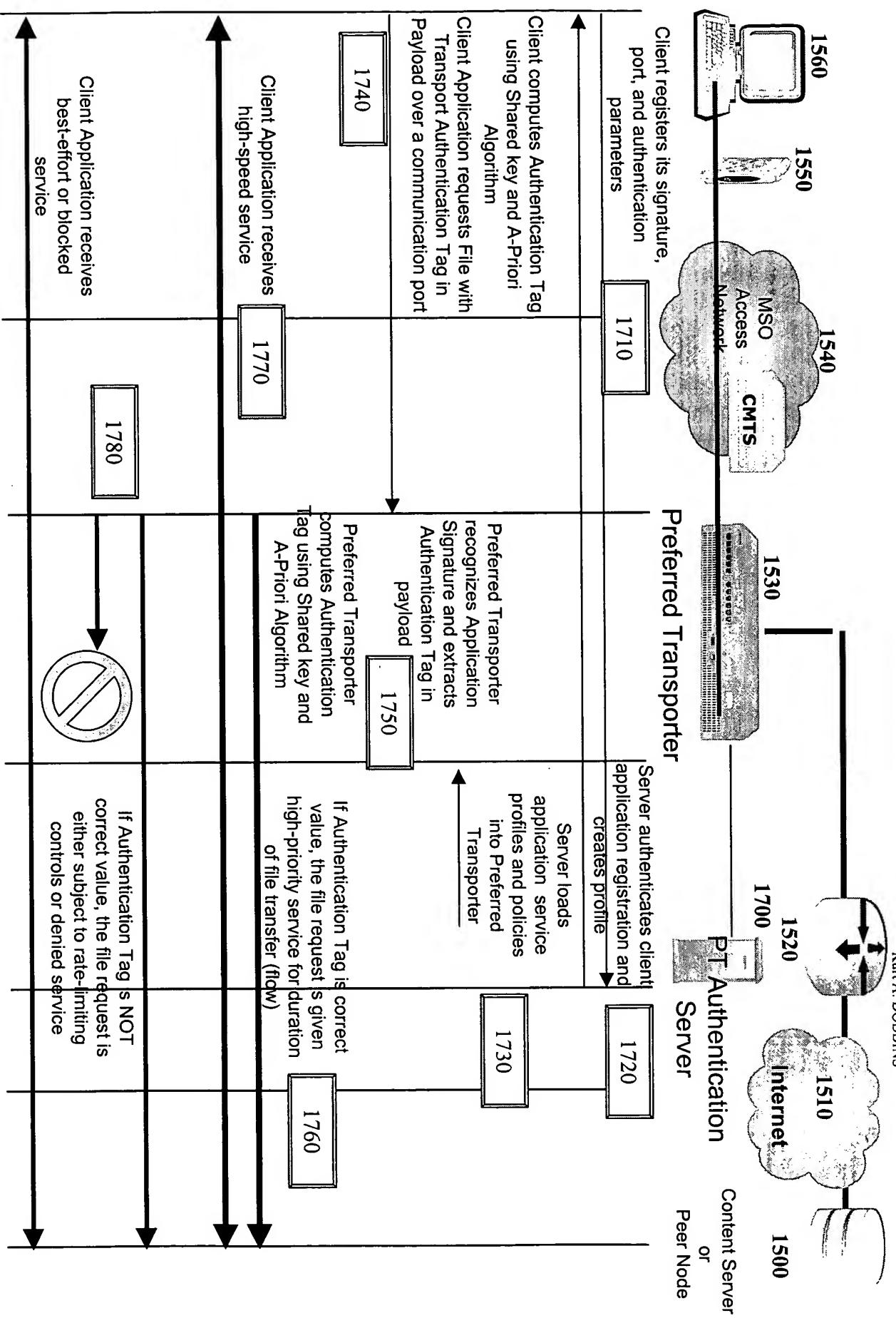


Figure 21a

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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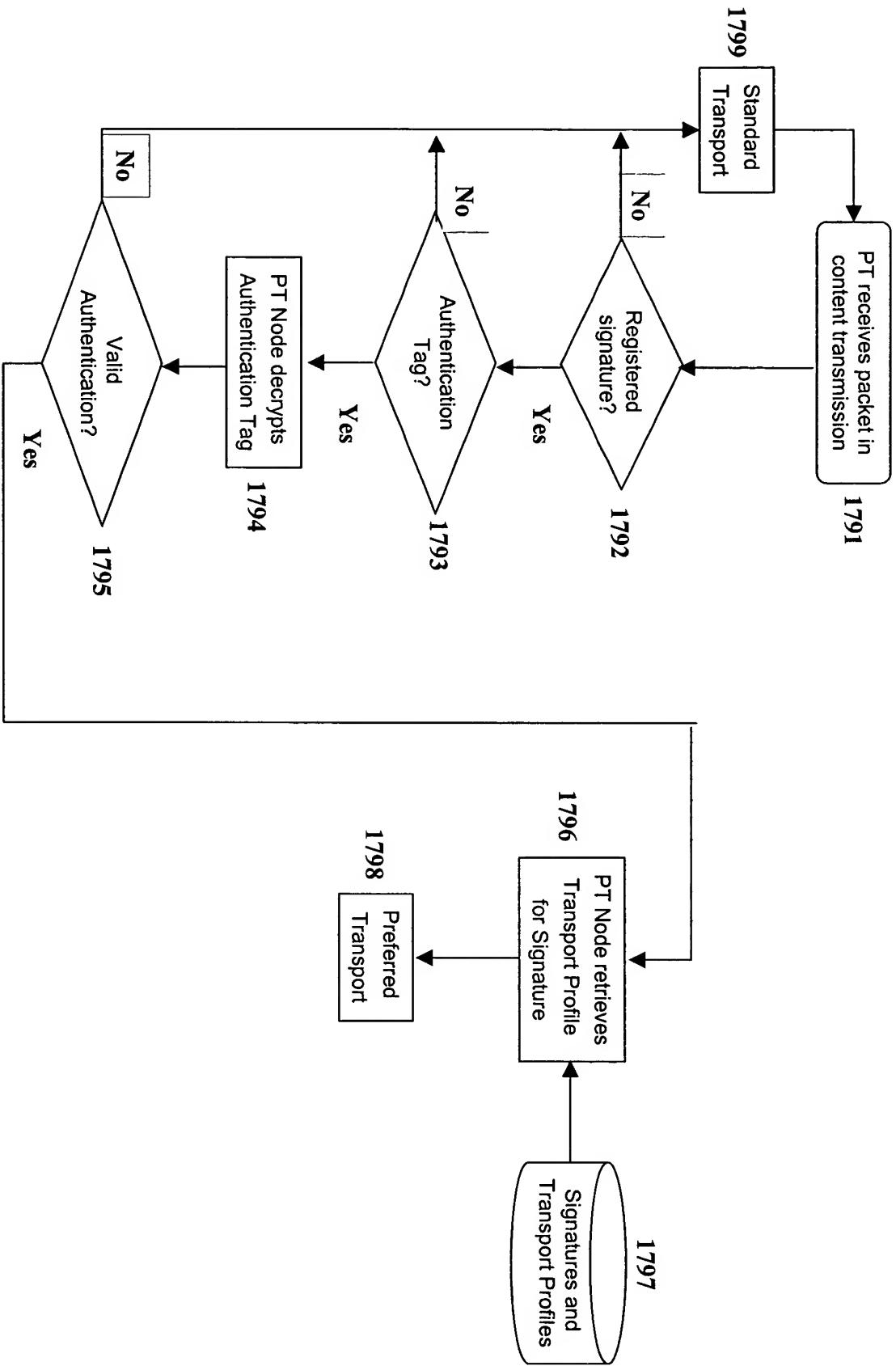


Figure 22

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT

DOCKET NO: 026215-00004

Identification
Server
Node

DOCKET NO: 026215-C

00004

1

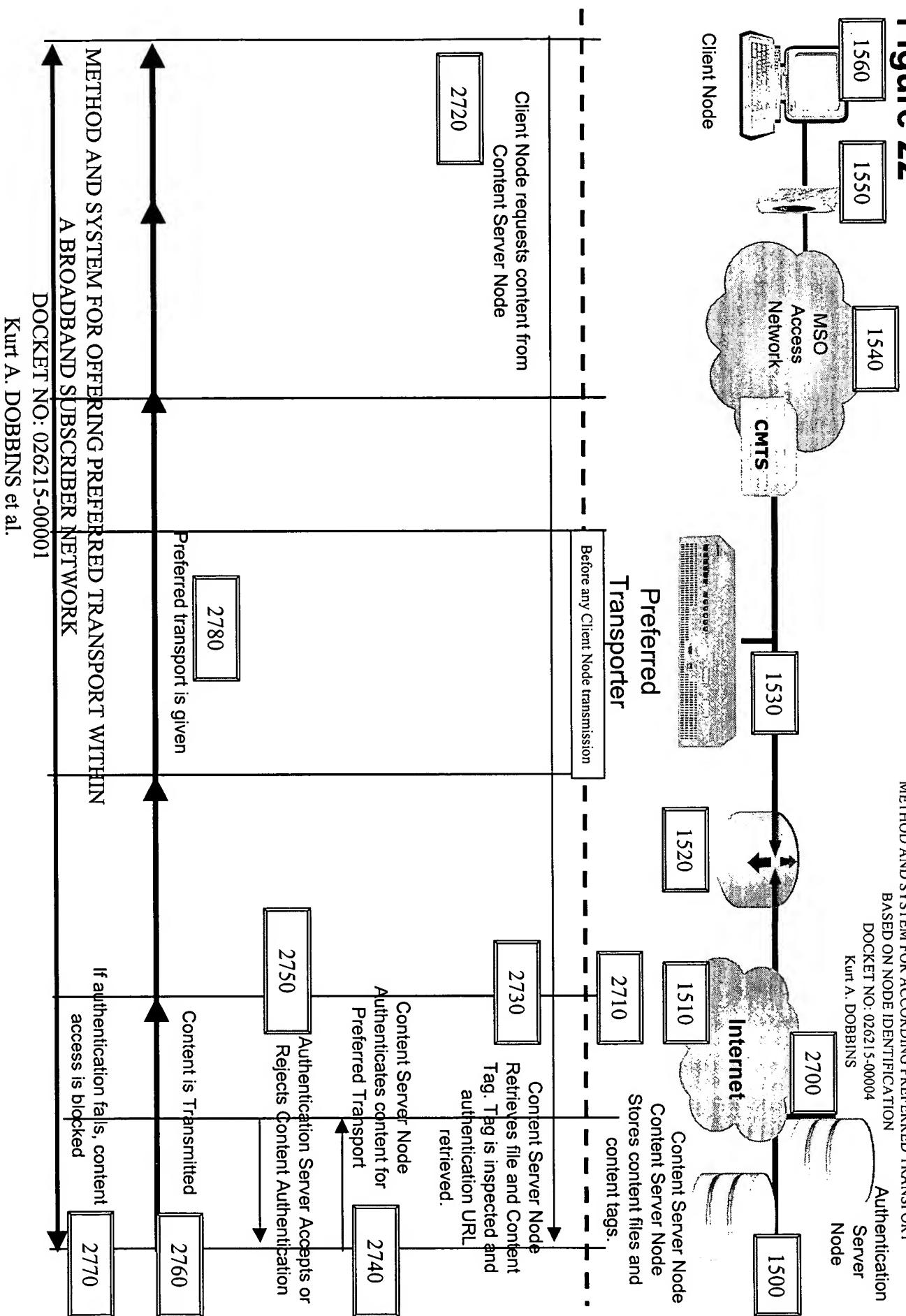


Figure 22a

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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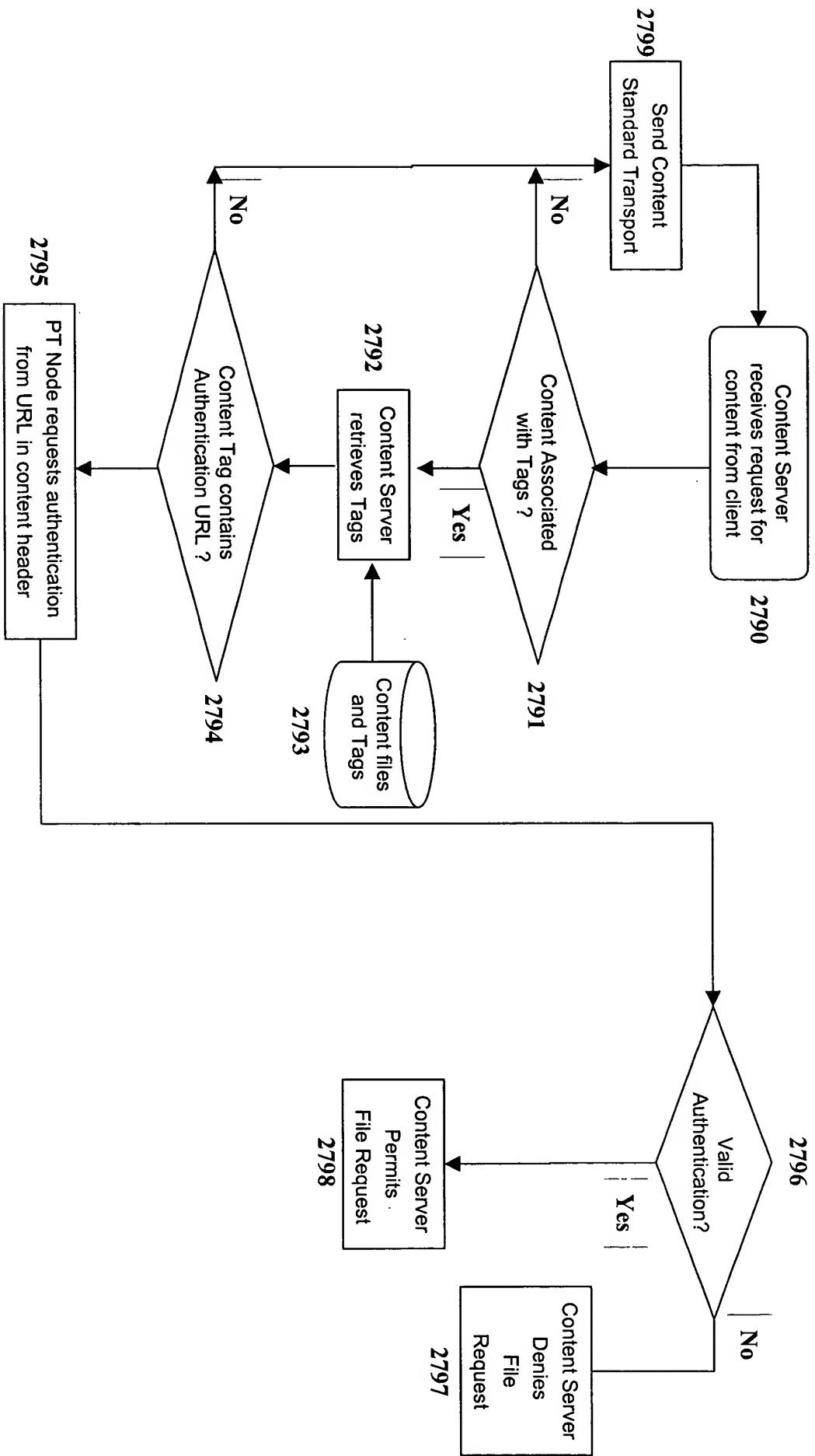
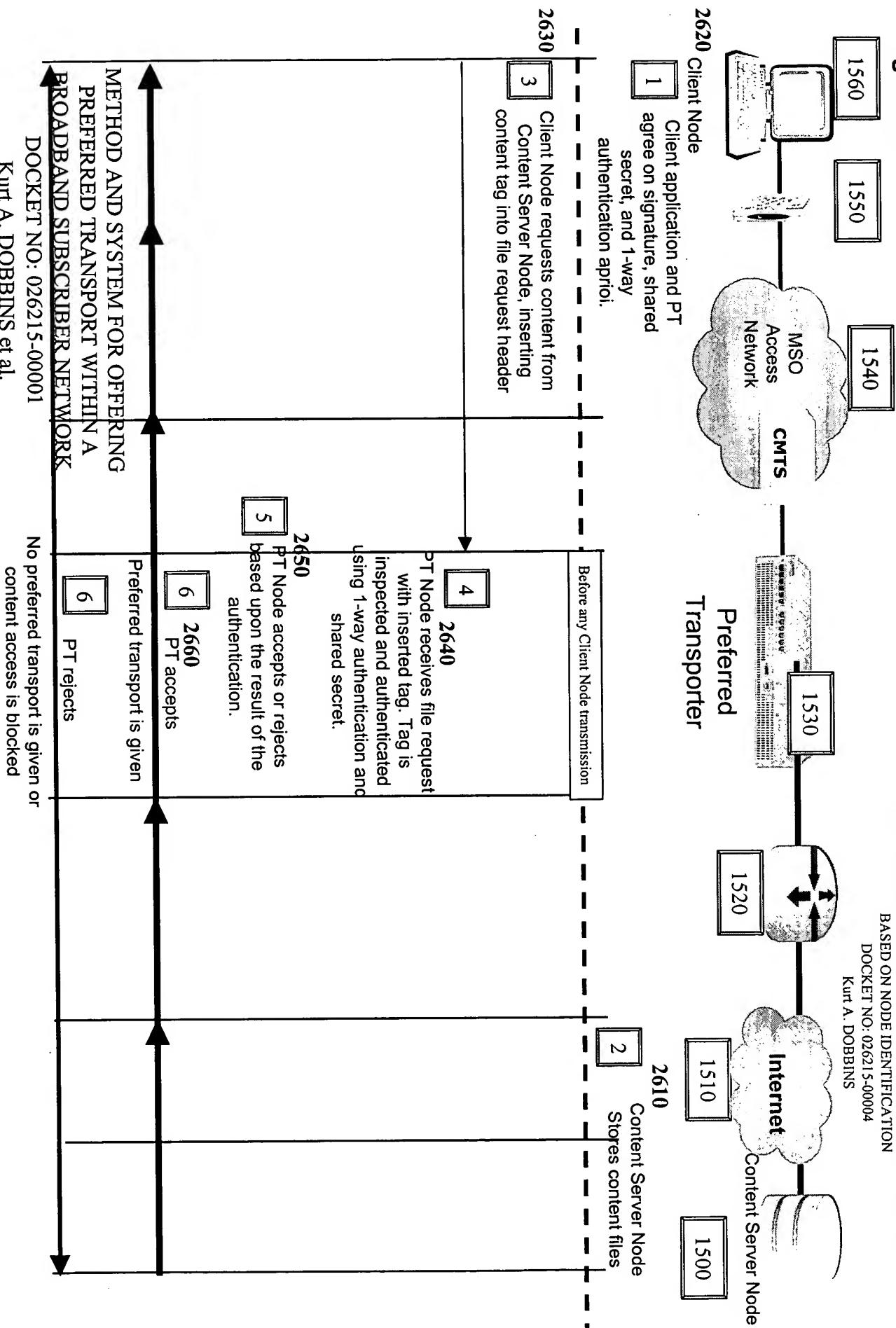


Figure 23

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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DOCKET NO: 026215-00004

Kurt A. DOBBINS



Docket No: 026215-00001

Kurt A. DOBBINS et al.

Figure 23a

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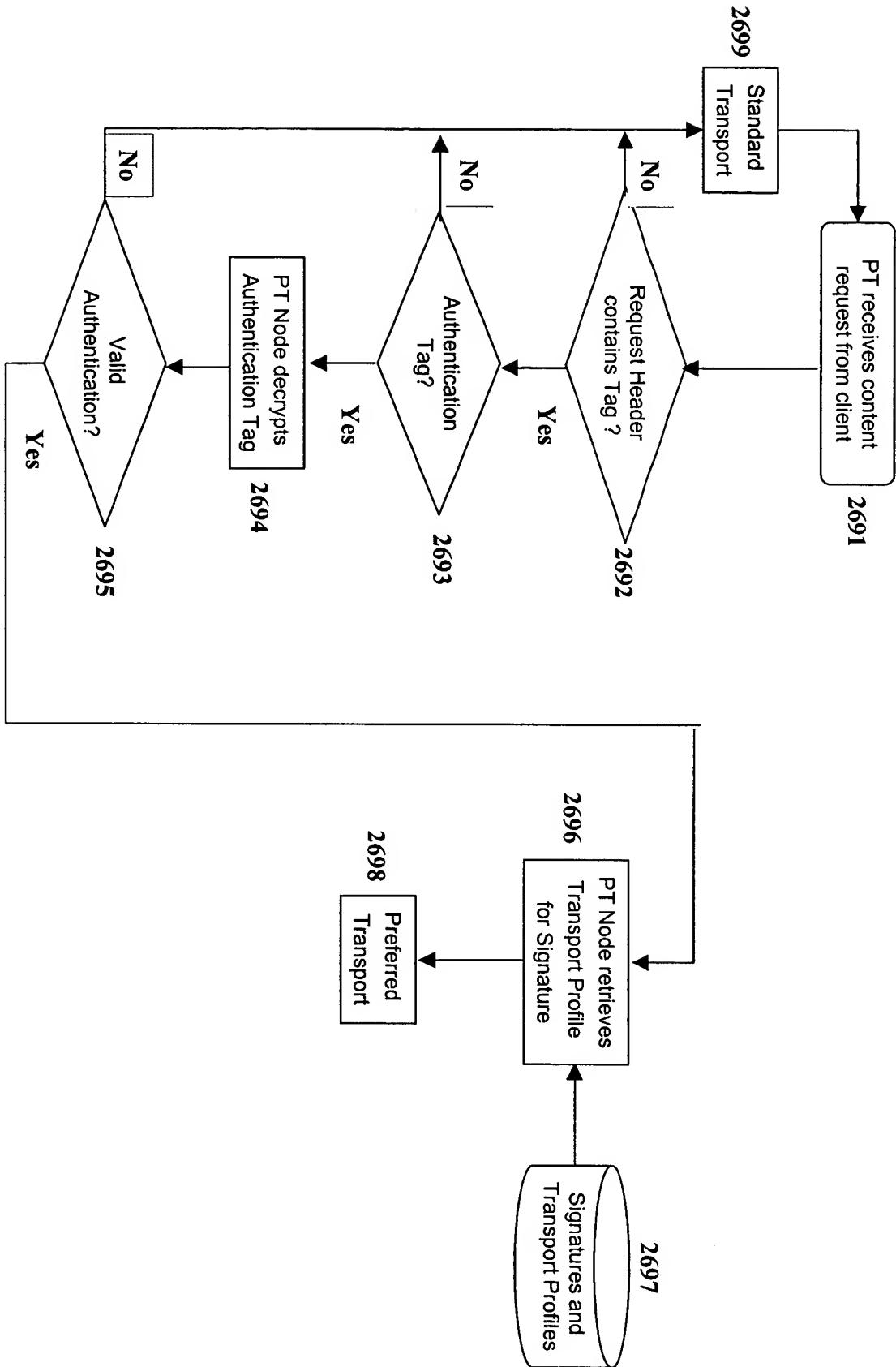


Figure 24

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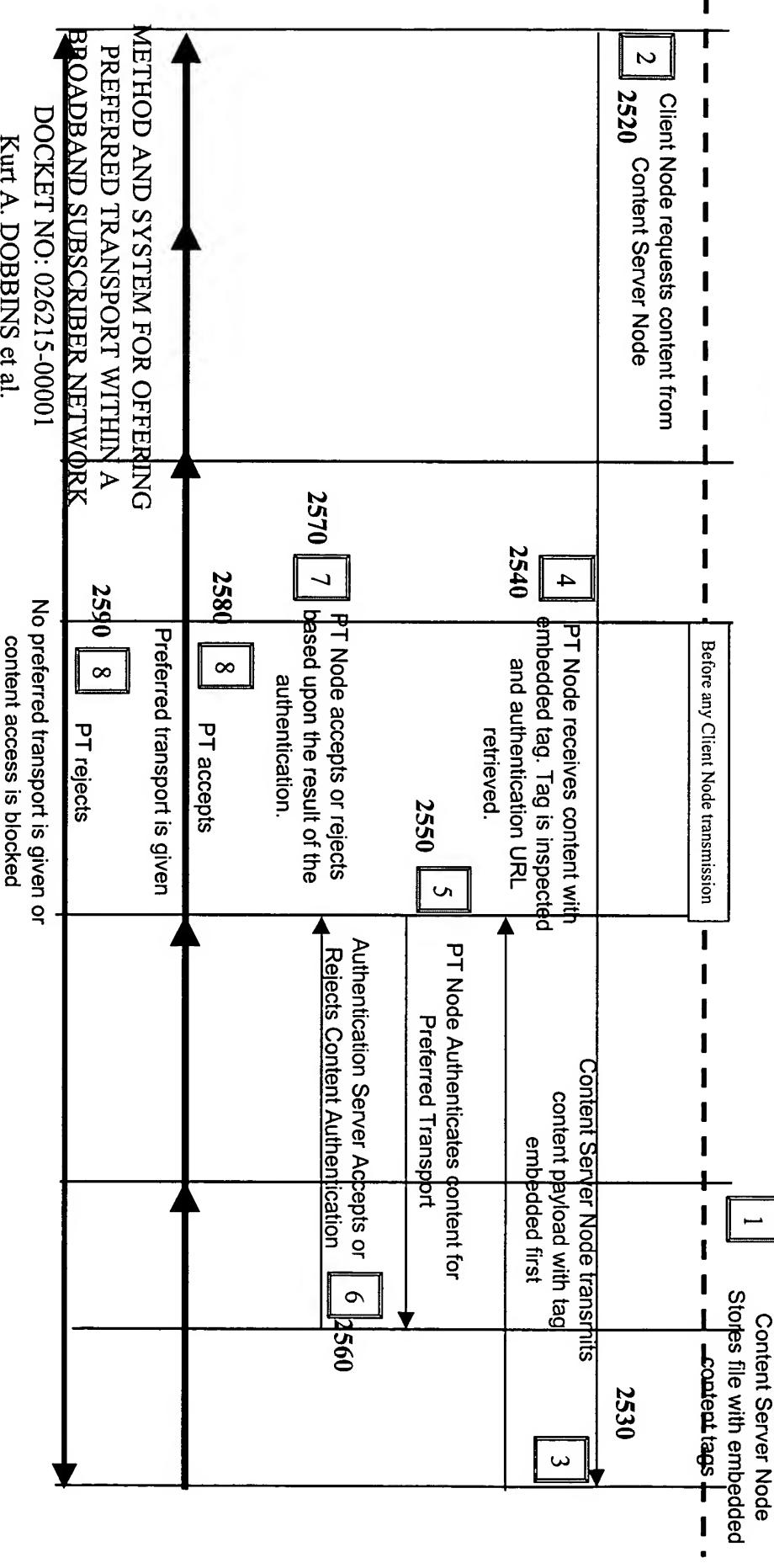
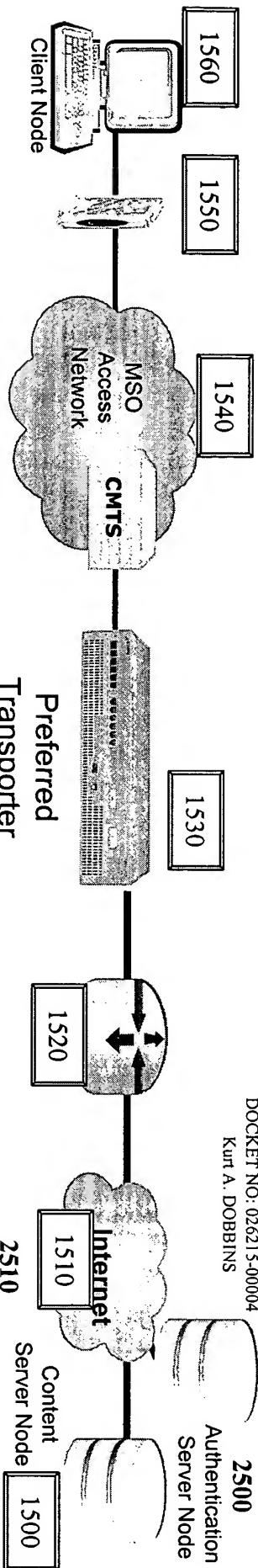


Figure 24a

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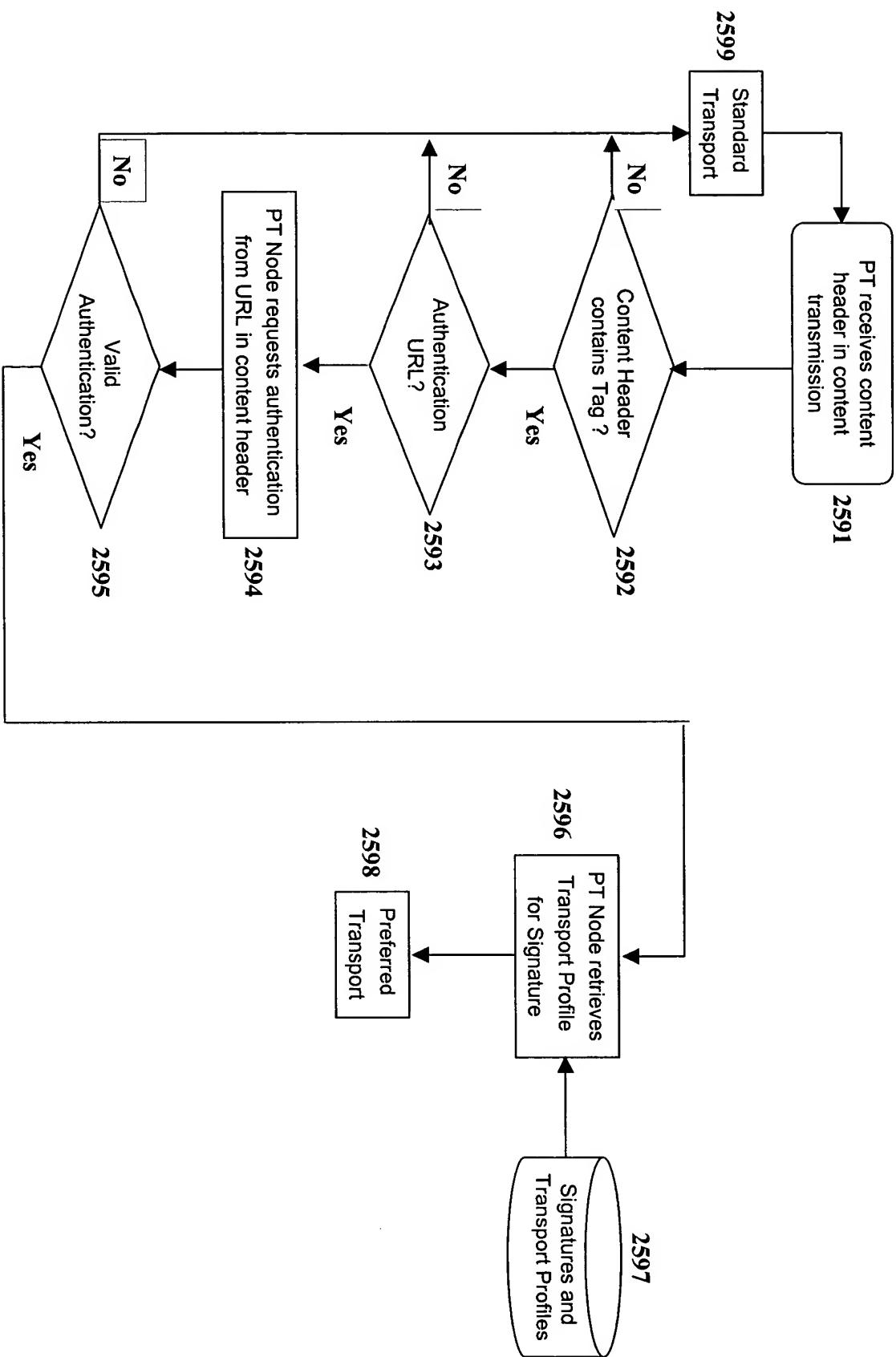


Figure 25

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- ☒ **Leverage OLD Tree for Self-naming Tags**
 - Gives digital representation to textual names
 - Allows arbitrary hierarchy
 - Extensible with new content types
 - Packet encoding will use ASN.1 BER
- ☒ **Name Space Maintained by host**
 - Publish as Informational IETF MIB

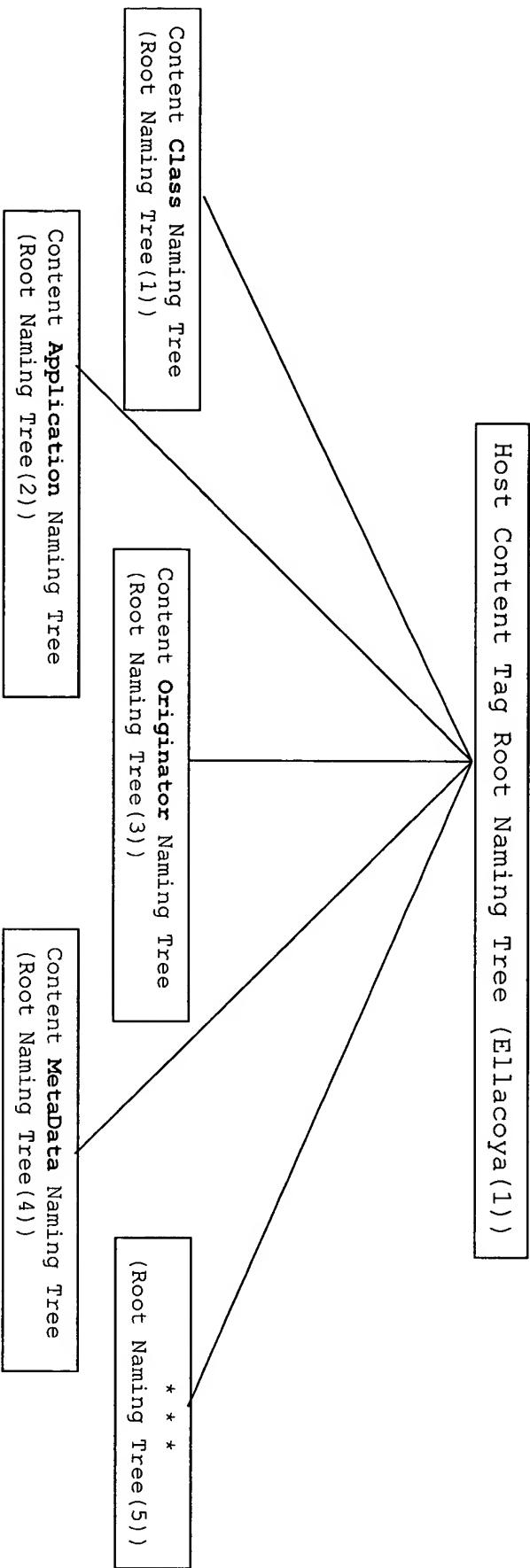


Figure 26

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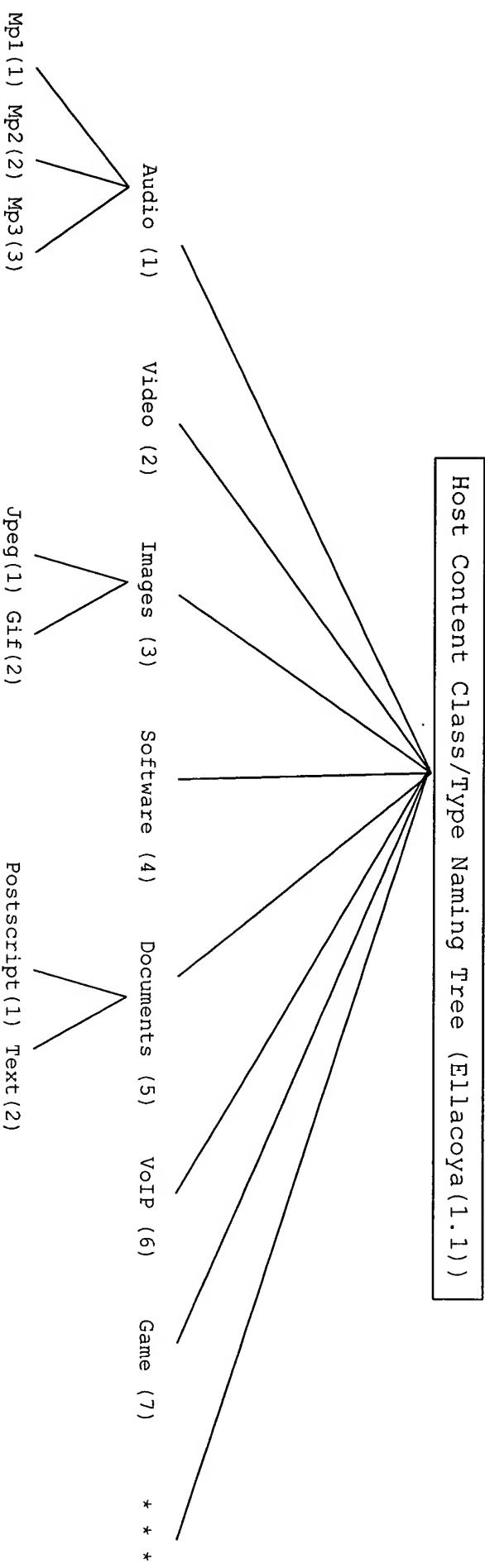


Figure 27

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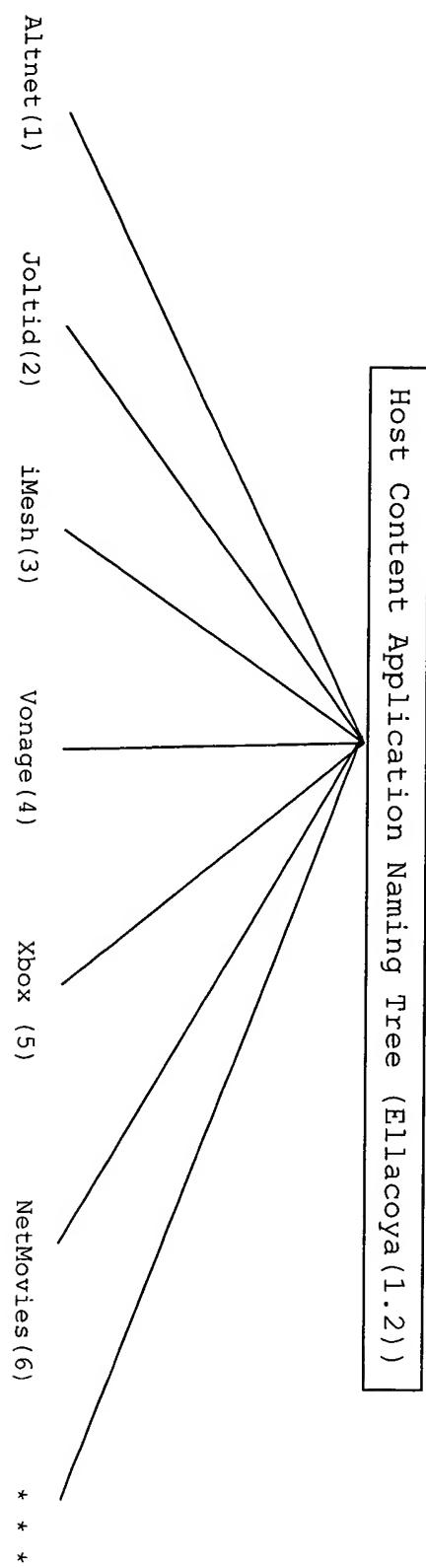


Figure 28

METHOD AND SYSTEM FOR ACCORDING PREFERRED TRANSPORT
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